

```
1 // REDAC SOFTWARE LIMITED
2 // SUITE : P.C.B. LAYOUT
3 // PROGRAM TITLE : REDAL3 MK5
4 // ROUTINE TITLE : HIHO1
5 //
6 // THIS PROGRAM SOURCE FILE IS SUPPLIED IN CONFIDENCE TO THE
7 // CUSTOMER; THE CONTENTS OR DETAILS OF ITS OPERATION MAY
8 // ONLY BE DISCLOSED TO PERSONS EMPLOYED BY THE CUSTOMER WHO
9 // REQUIRE A KNOWLEDGE OF THE SOFTWARE CODING TO CARRY OUT
10 // THEIR JOB. DISCLOSURE TO ANY OTHER PERSON MUST HAVE PRIOR
11 // PERMISSION FROM THE DIRECTORS OF REDAC SOFTWARE LIMITED.
12 //
13 // AUTHOR: TRANSLATED FROM FORTRAN BY K. FOSTER
14 // DATE : JAN 1975
15 //
16 // PURPOSE: 1) SWAP SIDES
17 //           2) INPUT INITIAL DATA
18 //
19 // CALL HIHO1(N)
20 // N 0 TO SWAP SIDES
21 //           1 INITIAL DATA FROM PT
22 //           2 INIT DATA FROM CARDS
23 //
24 // I/O DEVICES AND FUNCTIONS
25 // NONE
26 //
27 // REGISTERS USED: XR, LR, MQ
28 //
29 // INTERNAL GLOBALS
30 // .GLOBL HIHO1
31 //
32 // EXTERNAL GLOBALS
33 // .GLOBL ASS1,DATAIN,DRAWCP,SWOPSD,.DA
34 //
35 // COMMON AREAS
36 // .XXMON .CBD .XX 1
37 // .ZYDE .CBD ZYDE 1
38 // .EOCOPP .CBD EOCOPP 1
39 // .EOBRD .CBD EOBRD 1
40 // .EOLIB .CBD EOLIB 1
41 // .EOCONN .CBD EOCONN 1
42 // .EOCOMP .CBD EOCOMP 1
43 // .EOROUT .CBD EOROUT 1
44 //
45 //
46 // 641000 A ECLA=641000
47 // .EJECT
```

52 00010 R 000000 A HIHO1 0  
53 00011 R 120072 E JMS\* .DA  
54 00012 R 600014 R JMP .+1+1  
55 00013 R 000000 A N  
56 00014 R 220013 R LAC\* N  
57 00015 R 741200 A SNA /SWAP SIDE OPTION?  
58 00016 R 600053 R JMP SWAPSD /YES  
59  
60 // READ INITIAL DATA  
61 //  
62 00017 R 735000 A CLX  
63 00020 R 200073 R LAC (6  
64 00021 R 722000 A PAL  
65 00022 R 230000 R LUP LAC\* .XXMON,X /COPY DATA STRUCTURE POINTERS TO LOCAL VARIABLES  
66 00023 R 050057 R DAC COPPER,X  
67 00024 R 725001 A AXS 1  
68 00025 R 600022 R JMP LUP  
69  
70 00026 R 220013 R LAC\* N  
71 00027 R 723004 A AAC 4  
72 00030 R 040065 R DAC DEV  
73 00031 R 120066 E JMS\* ASS1 /PLUG INPUT DAT SLOT  
74 00032 R 600034 R JMP .+1+1  
75 00033 R 000065 R .DSA DEV  
76 00034 R 120067 E JMS\* DATAIN /READ INITIAL DATA  
77 00035 R 600050 R JMP .+1+12  
78 00036 R 400061 R .DSA LIB!400000  
79 00037 R 400004 R .DSA EOLIB!400000  
80 00040 R 400063 R .DSA COMP!400000  
81 00041 R 400006 R .DSA EOCOMP!400000  
82 00042 R 400062 R .DSA CONN!400000  
83 00043 R 400005 R .DSA EOCONN!400000  
84 00044 R 400060 R .DSA BOARD!400000  
85 00045 R 400003 R .DSA EOBRD!400000  
86 00046 R 000065 R .DSA DEV  
87 00047 R 000074 R .DSA (2  
88 00050 R 651000 A ECLA!CLQ  
89 00051 R 120070 E JMS\* DRAWCP /REDRAW PICTURE  
90 00052 R 600056 R JMP EXIT /RETURN  
91 // SWAP SIDES OPTION  
92 //  
93 //  
94 00053 R 120071 E SWAPSD JMS\* SWOPSD  
95 00054 R 600056 R JMP .+1+1  
96 00055 R 400001 R .DSA ZYDE!400000  
97 00056 R 620010 R EXIT JMP\* HIHO1  
98 .EJECT  
99

100 00057 R 000000 A COPP  
101 00060 R 000000 A BOARD  
102 00061 R 000000 A LIB  
103 00062 R 000000 A CONN  
104 00063 R 000000 A COMP  
105 00064 R 000000 A ROUTE  
106 00065 R 000000 A DEV /DEVICE SELECTION FOR ASS1  
107 000000 A .END

00066 R 000066 E \*E  
00067 R 000067 E \*E  
00070 R 000070 E \*E  
00071 R 000071 E \*E  
00072 R 000072 E \*E  
00073 R 000006 A \*L  
00074 R 000002 A \*L

SIZE=00075 NO ERROR LINES

ASS1	00066	37	73	
BOARD	00060	84	101*	
COMP	00063	80	104*	
CONN	00062	82	103*	
COPPER	00057	66	100*	
DATAIN	00067	37	76	
DEV	00065	72	75	86
DRAWCP	00070	37	89	
ECLA	641000	50*	88	
EOBRD	00003	43*	43	85
EOCOMP	00006	46*	46	81
EOCONN	00005	45*	45	83
EOCOPP	00002	42*	42	
EQLIB	00004	44*	44	79
EROUT	00007	47*	47	
EXIT	00056	90	98*	
HIHO1	00010	34	52*	98
LIB	00061	78	102*	
LUP	00022	65*	68	
N	00013	55*	56	70
ROUTE	00064	105*		
SWAPSD	00053	58	95*	
SWOPSD	00071	37	95	
ZYDE	00001	41*	41	97
.DA	00072	37	53	
.XXMON	00000	40*	65	